# Gorilla Window and Door Frame Silicone Sealant White

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

| | |
|---|---|
| Product Name | Gorilla Window and Door Frame Silicone Sealant White |
| CAS No. | Not applicable. |
| EC No. | Not applicable. |
| REACH Registration No. | Not applicable. |

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

| | |
|---|---|
| Identified Use(s) | Sealants |
| Uses Advised Against | Not known. |

### 1.3 Details of the supplier of the safety data sheet

Manufacturer

| | |
|---|---|
| Company Identification | Gorilla Glue Europe Ltd |
| Address of Manufacturer | 26 Eaton Avenue<br>Matrix Park<br>Buckshaw Village<br>Chorley<br>Lancashire |
| Postal code | PR7 7NA |
| Telephone: | 01257 241 319 |
| E-mail | Eucustomercare@gorillaglue.com |
| Office hours | 08:30 - 17:00 |

Supplier

| | |
|---|---|
| Company Identification | GG Brands Netherlands B.V. |
| Address of Supplier | Lichttoren 32<br>5611 BJ<br>Eindhoven |
| Telephone: | +31 85 064 4029 |
| E-mail | Eucustomercare@gorillaglue.com |
| Office hours | 08:30-17:00 |

### 1.4 Emergency telephone number

| | |
|---|---|
| Supplier Contact: | Stuart Shotton |
| Emergency Phone No. | +44 (0)843 507 1200 |
| | |
| Northern Ireland: | NHS Direct |
| Emergency Phone No. | +44 111 (24 hours) |
| | |
| Republic of Ireland: | NPIC Ireland |
| Emergency Phone No. | +353 (0) 1 809 2166 (8am - 10pm) |

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

# Gorilla Window and Door Frame Silicone Sealant White

| | |
|---|---|
| Regulation (EC) No. 1272/2008 (CLP) | Not classified as hazardous for supply. |

**2.2 Label elements**

| | |
|---|---|
| | According to Regulation (EC) No. 1272/2008 (CLP) |
| Product Name | Gorilla Window and Door Frame Silicone Sealant White |
| Hazard Pictogram(s) | None. |
| Signal Word(s) | None. |
| Hazard Statement(s) | EUH210: Safety data sheet available on request.<br>EUH208: Contains: (4,5-dichloro-2-octyl- 2H-isothiazol-3-one) May produce an allergic reaction. |
| Precautionary Statement(s) | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P501: Dispose of contents in accordance with local, state or national legislation. |

**2.3 Other hazards**

None known.

**2.4 Additional Information**

| | |
|---|---|
| Biocidal Products Regulation | Contains a biocide in order to protect the product. Active ingredient: 4,5-dichloro-2-octyl-2H-isothiazol-3-one (64359-81-5). Please follow all usage instructions. |

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances**

Not applicable.

**3.2 Mixtures**

| HAZARDOUS INGREDIENT(S) | CAS No. | EC No. / REACH Registration No. | %W/W | Hazard Statement(s) | Hazard Pictogram(s) |
|---|---|---|---|---|---|
| Distillates (petroleum), hydrotreated middle | 64742-46-7 | 265-148-2 | 1-10 | Asp. Tox. 1 H304 | GHS08 |
| Triacetoxyethylsilane | 17689-77-9 | 241-677-4<br>01-2119881778-15-XXXX | 1-5 | Acute Tox. 4 H302<br>Skin Corr. 1B H314<br>Eye Dam. 1 H318<br>EUH014 | GHS05<br>GHS07 |
| Oligomeric ethyl and methyl acetoxysilanes | | | <2 | Skin Corr. 1B H314<br>Eye Dam. 1 H318 | GHS05 |
| Titanium dioxide | 13463-67-7 | 236-675-5<br>01-2119489379-17-XXXX | 1-5 | Not classified | None |
| 4,5-dichloro-2-octyl- 2H-isothiazol-3-one | 64359-81-5 | 264-843-8 | <0.05 | Acute Tox. 4 H302<br>Skin Corr. 1 H314<br>Skin Sens. 1A H317<br>Eye Dam. 1 H318<br>Acute Tox. 2 H330<br>Aquatic Acute 1 H400<br>Aquatic Chronic 1 H410<br>EUH071 | GHS06<br>GHS05<br>GHS07<br>GHS09 |

## Gorilla Window and Door Frame Silicone Sealant White

| HAZARDOUS INGREDIENT(S) | CAS No. | Specific Concentration Limit | | M-factor | ATE |
|---|---|---|---|---|---|
| Triacetoxyethylsilane | 17689-77-9 | | | | Acute Tox. 4 (H302) : 500 |
| 4,5-dichloro-2-octyl- 2H-isothiazol-3-one | 64359-81-5 | Skin Irrit. 2 | C>= 0.025 < 5.00 | Aquatic Acute 1: 100<br>Aquatic Chronic 1: 100 | Acute Tox. 4 (H302) : 567 (15th ATP)<br>Acute Tox. 2 (H330) : 0.16 Dust (15th ATP) |
| | | Skin Sens. 1A | C>= 0.0015 <= 100.00 | | |
| | | Eye Irrit. 2 | C>= 0.025 < 3.00 | | |

In contact with dampness, product separates a small quantity of Acetic acid (CAS No.: 64-19-7) which irritates skin and mucous membranes. The quantity of the acetic acid is not sufficient to contribute to the classification of the product.
Contains no non-classified vPvB substances.
Contains a non-classified substance with a Union workplace exposure limit. Titanium dioxide (13463-67-7)
For full text of H/P Statements see section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

| | |
|---|---|
| Inhalation | If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention. |
| Skin Contact | Wash skin with water. If irritation develops and persists, get medical attention. |
| Eye Contact | Flush eyes with water for at least 15 minutes. If irritation develops and persists, get medical attention. |
| Ingestion | Wash out mouth with water. If symptoms persist, obtain medical attention. |

### 4.2 Most important symptoms and effects, both acute and delayed

None anticipated. Treat symptomatically.

### 4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

| | |
|---|---|
| Suitable Extinguishing media | Alcohol-resistant foam, Carbon dioxide, Water spray, Dry powder, Sand, Sprinkler system |
| Unsuitable extinguishing media | Do not use water jet. |

### 5.2 Special hazards arising from the substance or mixture

None anticipated. Heating may cause decomposition. Decomposes in a fire giving off toxic fumes: Formaldehyde

### 5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid contact with skin and eyes. Wear protective equipment to comply with good occupational hygiene practice. Wash hands and exposed skin after use.

# Gorilla Window and Door Frame Silicone Sealant White

### 6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

### 6.3 Methods and material for containment and cleaning up

Caution - spillages may be slippery. Shut off leaks if without risk. Adsorb spillages onto sand, earth or any suitable adsorbent material. Sweep or shovel-up spillage and remove to a safe place. Transfer to a container for disposal. Flush spill area with copious amounts of water.

### 6.4 Reference to other sections

See Also Section 8, 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

General hygiene measures for the handling of chemicals are applicable. Product may release acetic acid. Eliminate sources of ignition. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection. Wash hands and exposed skin after use. If medical advice is needed, have product container or label at hand. Keep out of reach of children.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep in a cool, dry place. Keep container tightly closed and in a well-ventilated place.

| | |
|---|---|
| Storage temperature | Ambient. |
| Storage life | Stable under normal conditions. |
| Incompatible materials | Water, Alkalis, Alcohols - The reaction takes place with the formation of acetic acid. |

### 7.3 Specific end use(s)

Sealants

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

8.1.1 Occupational Exposure Limits

| SUBSTANCE | CAS No. | LTEL (8 hr TWA ppm) | LTEL (8 hr TWA mg/m³) | STEL (ppm) | STEL (mg/m³) | Note |
|---|---|---|---|---|---|---|
| Titanium dioxide total inhalable | 13463-67-7 | | 10 | | | |
| Titanium dioxide respirable | 13463-67-7 | | 4 | | | |
| Acetic acid | 64-19-7 | 10 | 25 | 20 | 50 | |

| Region | Source |
|---|---|
| United Kingdom | UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020) |

# Gorilla Window and Door Frame Silicone Sealant White

### 8.2 Exposure controls

| | |
|---|---|
| 8.2.1. Appropriate engineering controls | Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present. |

8.2.2. Personal protection equipment



Eye Protection — Wear eye protection with side protection (EN ISO 16321-1).



Skin protection — Wear impervious gloves (EN374).
Recommended: Butyl rubber. Thickness of material: >0.3 mm,
Breakthrough time: >480 minutes.
Recommended: Nitrile rubber. Thickness of material: >0.1 mm,
Breakthrough time: 60-120 minutes.



Respiratory protection — Normally no personal respiratory protection is necessary. Wear suitable respiratory protective equipment if exposure to high levels of material are likely. A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards — Not applicable.

| | |
|---|---|
| 8.2.3. Environmental Exposure Controls | Do not release large quantities into the surface water or into drains. |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | Paste. |
| Colour | White. |
| Odour | Acetic acid odour. |
| Melting point/freezing point | Not known. |
| Boiling point or initial boiling point and boiling range | Not known. |
| Flammability | Non-flammable. |
| Lower and upper explosion limit | 4-17% (Acetic acid) |
| Flash Point | 108° C |
| Auto-ignition temperature | >400° C |
| Decomposition Temperature | >300° C |
| pH | Not known. |
| Kinematic Viscosity | >20.5 $mm^2/s$ @ 40° C<br>Dynamic viscosity : >1000000 mPa•s @ 23° C |
| Solubility | Solubility (Water) : Insoluble.<br>Solubility (Other) : Not known. |
| Partition coefficient n-octanol/water (log value) | Not known. |
| Vapour pressure | Not known. |
| Density and/or relative density | Density (g/ml) : 1 $g/cm^3$ @ 23° C, 1013 hPa |

## Gorilla Window and Door Frame Silicone Sealant White

| | |
|---|---|
| Relative vapour density | Not known. |
| Particle characteristics | Not applicable. |

**9.2 Other information**

Hydrolysis products reduce the flash point.

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity**

Stable under normal conditions.

**10.2 Chemical Stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known if used for its intended purpose.

**10.4 Conditions to avoid**

Heat and direct sunlight.

**10.5 Incompatible materials**

Water, Alkalis, Alcohols - The reaction takes place with the formation of acetic acid.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

| | |
|---|---|
| Acute toxicity - Ingestion | Calculation method : Not classified. |
| | Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 24984.58 |
| Acute toxicity - Skin Contact | Calculation method : Not classified. |
| Acute toxicity - Inhalation | Calculation method : Not classified. |
| | Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 11428.57 |
| Skin corrosion/irritation | Self classification: Not classified. |
| | Non-irritant to rabbit skin. Source : Expert judgement |
| Serious eye damage/irritation | Self classification: Not classified. |
| | Non-irritant to rabbit eyes. Source : Expert judgement |
| Skin sensitization data | Calculation method : Not classified. |
| | It is not a skin sensitiser. |
| | Contains: (4,5-dichloro-2-octyl-2H-isothiazol-3-one) May produce an allergic reaction. |
| Respiratory sensitization data | Calculation method : Not classified. |
| Germ cell mutagenicity | Calculation method : Not classified. |
| | There is no evidence of mutagenic potential. |
| Carcinogenicity | Calculation method : Not classified. |
| | No evidence of carcinogenicity. |
| Reproductive toxicity | Calculation method : Not classified. |
| | No evidence of reproductive effects. |
| Lactation | Calculation method : Not classified. |
| STOT - single exposure | Calculation method : Not classified. |
| STOT - repeated exposure | Calculation method : Not classified. |
| Aspiration hazard | Self classification: Not classified. |

# Gorilla Window and Door Frame Silicone Sealant White

Kinematic Viscosity >20.5 mm²/s @ 40° C

**11.2 Information on other hazards**

Not known.

## SECTION 12: ECOLOGICAL INFORMATION

The environmental hazard classification of this material is concluded by data available for the ingredients and the leachable amount of biocide in simulation tests in water. Based on available data no effects on aquatic organisms that are relevant for classification must be expected for the product up to its limits of water solubility.

**12.1 Toxicity**

| | |
|---|---|
| Toxicity - Aquatic invertebrates | Source : Expert judgement<br>EC50 (48 hour) (Eastern oyster) : >1-<10 mg/l<br>NOEC (Reproduction rate) (Daphnia magna) : >1 mg/l |
| Toxicity - Fish | Source : Expert judgement<br>LC50 (96 hour) (Rainbow trout) : >10-<100 mg/l<br>NOEC (Early life stage test) (Rainbow trout) : >1 mg/l |
| Toxicity - Algae | Source : Expert judgement<br>ErC50 (24 hour) (Freshwater diatom) : >1-<10 mg/l<br>NOEC (Growth rate) (24 hour) (Freshwater diatom) : >1 mg/l |
| Toxicity - Sediment Compartment | Not classified. |
| Toxicity - Terrestrial Compartment | Not classified. |

**12.2 Persistence and degradability**

No information on this formulation.
Polymer component : Biologically not degradable.

**12.3 Bioaccumulative potential**

No information on this formulation.
Polymer component : No adverse effects expected.

**12.4 Mobility in soil**

Insoluble in water. The product is predicted to have low mobility in soil.

**12.5 Results of PBT and vPvB assessment**

Not classified as PBT or vPvB.

**12.6 Endocrine disrupting properties**

None known.

**12.7 Other adverse effects**

Not known.

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods**

Dispose of empty containers and wastes safely. May be disposed of by landfill in accordance with local regulations. Incineration by an approved method could be considered.

**13.2 Additional Information**

Disposal should be in accordance with local, state or national legislation.

# Gorilla Window and Door Frame Silicone Sealant White

## SECTION 14: TRANSPORT INFORMATION

**Not classified as hazardous for transport.**

**14.1 UN number or ID number**

Not applicable

**14.2 UN proper shipping name**

Not applicable

**14.3 Transport hazard class(es)**

Not applicable

**14.4 Packing group**

Not applicable

**14.5 Environmental hazards**

Not classified as a Marine Pollutant.

**14.6 Special precautions for user**

Not known

**14.7 Maritime transport in bulk according to IMO instruments**

Not known

## SECTION 15: REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

| | |
|---|---|
| European Regulations - Authorisations and/or Restrictions On Use | |
| Candidate List of Substances of Very High Concern for Authorisation | Not listed |
| REACH: ANNEX XIV list of substances subject to authorisation | Not listed |
| REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | Distillates (petroleum), hydrotreated middle (64742-46-7), Triacetoxyethylsilane (17689-77-9) - Entry 3 4,5-dichloro-2-octyl- 2H-isothiazol-3-one (64359-81-5), Titanium dioxide (13463-67-7) - Entry 75 |
| Community Rolling Action Plan (CoRAP) | Titanium dioxide (13463-67-7) |
| Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants | Not listed |
| Regulation (EC) N° 2024/590 on substances that deplete the ozone layer | Not listed |
| Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals | Not listed |
| Seveso Directive | None known. |
| Regulation (EU) N° 528/2012 of the European Parliament and of the Council | Contains a biocide: Contains 4,5-dichloro-2-octyl- 2H-isothiazol-3-one (PT07 – Film Preservatives) |

concerning the making available on the market and use of biocidal products

**National regulations**

Other — Not known.

**15.2 Chemical Safety Assessment**

A REACH chemical safety assessment has not been carried out.

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16

**LEGEND**

| | |
|---|---|
| Hazard Pictogram(s) | GHS05: GHS: Corrosion<br>GHS06: GHS: Skull and crossbones<br>GHS07: GHS: Exclamation mark<br>GHS08: GHS: Health hazard<br>GHS09: GHS: Environment |
| Hazard classification | Acute Tox. 4 : Acute toxicity, Category 4<br>Asp. Tox. 1 : Aspiration hazard, Category 1<br>Skin Corr. 1 : Skin corrosion/irritation, Category 1<br>Skin Corr. 1B : Skin corrosion/irritation, Category 1B<br>Skin Sens. 1A : Skin sensitization, Category 1A<br>Eye Dam. 1 : Serious eye damage/irritation, Category 1<br>Acute Tox. 2 : Acute toxicity, Category 2<br>Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1<br>Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1 |
| Hazard Statement(s) | H302: Harmful if swallowed.<br>H304: May be fatal if swallowed and enters airways.<br>H314: Causes severe skin burns and eye damage.<br>H317: May cause an allergic skin reaction.<br>H318: Causes serious eye damage.<br>H330: Fatal if inhaled.<br>H400: Very toxic to aquatic life.<br>H410: Very toxic to aquatic life with long lasting effects.<br>EUH014: Reacts violently with water.<br>EUH071: Corrosive to the respiratory tract.<br>EUH210: Safety data sheet available on request. |
| Acronyms | ATE : Acute Toxicity Estimate<br>CAS : Chemical Abstracts Service<br>CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of |

## Gorilla Window and Door Frame Silicone Sealant White

| | |
|---|---|
| | substances and mixtures<br>DNEL : Derived No Effect Level<br>EC : European Community<br>EINECS : European Inventory of Existing Commercial Chemical Substances<br>LTEL : Long term exposure limit<br>PBT : Persistent, Bioaccumulative and Toxic<br>PNEC : Predicted No Effect Concentration<br>REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals<br>STEL : Short term exposure limit<br>STOT : Specific Target Organ Toxicity<br>vPvB : very Persistent and very Bioaccumulative |
| Key literature references and sources for data used to compile the SDS | Regulation (EC) No. 1272/2008 (CLP) |
| Training Advice | Regular safety training as appropriate |

| | |
|---|---|
| Disclaimers | Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Gorilla Glue Europe Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Gorilla Glue Europe Ltd accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed. |